AMENDMENTS

Amendments to the Specification:

As per the Examiner's Amendment dated February 15, 2008, please substitute the paragraph on Page 37, lines 19-25 with the following new paragraph.

Paradigms to design degenerate primer pairs are well known in the art. For example, a COnsensus-DEgenerate Hybrid Oligonucleotide Primer (CODEHOP) strategy computer program is accessible and is directly linked from the BlockMaker multiple sequence alignment site for hybrid primer prediction beginning with a set of related protein sequences, as known taste receptor ligand-binding regions (see, e.g., Rose, Nucleic Acids Res., 26:1628-35 (1998); Singh, Biotechniques, 24:318-19 (1998)).

As per the Examiner's Amendment dated February 15, 2008, please substitute the paragraphs on Page 70, lines 29-36 through Page 76, lines 1-44, with the following new paragraphs.

hT2R51 Full-Length cDNA (BAC AC011654) (SEQ ID NO: 1)

hT2R51 Conceptual Translation (BAC AC011654) (SEQ ID NO: 2)

hT2R54 Full-Length cDNA (BAC AC024156) (SEQ ID NO: 3)

hT2R54 Conceptual Translation (BAC AC024156) (SEQ ID NO: 4)

hT2R55 Full-Length cDNA (BAC AC024156) (SEQ ID NO: 5)

hT2R55 Conceptual Translation (BAC AC024156) (SEQ ID NO: 6)

hT2R61 Full-Length cDNA (BAC AC018630) (SEQ ID NO: 7)

hT2R61 Conceptual Translation (BAC AC018630) (SEQ ID NO: 8)

hT2R63 Full-Length cDNA (BAC AC018630) (SEQ ID NO: 9)

hT2R63 Conceptual Translation (BAC AC018630) (SEQ ID NO: 10)

hT2R64 Full-Length cDNA (BAC AC018630) (SEQ ID NO: 11)

hT2R64 Conceptual Translation (BAC AC018630) (SEQ ID NO: 12)

hT2R65 Full-Length cDNA (BAC AC018630) (SEQ ID NO: 13)

hT2R65 Conceptual Translation (BAC AC018630) (SEQ ID NO: 14)

hT2R67 Full-Length cDNA (BAC AC018630) (SEQ ID NO: 15)

hT2R67 Conceptual Translation (BAC AC018630) (SEQ ID NO: 16)

hT2R71 Full-Length cDNA (BAC AC073264) (SEQ ID NO: 17)

hT2R71 Conceptual Translation (BAC AC073264) (SEQ ID NO: 18)

hT2R75 Full-Length cDNA (SEQ ID NO: 19)

hT2R75 Conceptual Translation (SEQ ID NO: 20)

hT2R59 Pseudogene (BAC AC018630) (SEQ ID NO: 21)

hT2R69 Pseudogene (BAC AC018630) (SEQ ID NO: 22)

mT2R33 Full-Length cDNA (BAC AC020619) (SEQ ID NO: 23)

mT2R33 Conceptual Translation (BAC AC020619) (SEQ ID NO: 24)